

Attorney Docket: 030351
U.S. Application No.: 10/720,956 Examiner: Lim Art Unit: 2153
Response to July 31, 2007 Office Action

AMENDMENT TO THE CLAIMS

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[c01] (Currently Amended) A method of providing communications services, comprising the steps of:

discovering, at a client device, multiple communications networks available to the
[[a]] client ~~communications~~ device;

communicating a request for communications service from the client
~~communications~~ device to a service provider, the service provider providing access to at
least one of the multiple communications networks;

negotiating, at the client device, with the at least one service provider for access to
at least one of the multiple communications networks;

receiving, at the client device, a bid from the at least one service provider to fulfill
the request for communications service; and

receiving communications service from the at least one service provider via at
least one of the multiple communications networks.

[c02] (Currently Amended) A method according to claim 1, wherein ~~the step of~~ discovering
multiple communications networks comprises discovering at least one of i) a wireline
network available to the client ~~communications~~ device and ii) a wireless network
available to a client ~~communications~~ device.

[c03] (Currently Amended) A method according to claim 1, wherein ~~the step of~~ discovering the
multiple communications networks comprises dynamically discovering, with at least one
of each data upload and with each data download on-demand, the multiple
communications networks available to a client communications device.

[c04] (Currently Amended) A method according to claim 1, further comprising ~~the step of~~
communicating the request for communications service to multiple service providers,

Attorney Docket: 030351
U.S. Application No.: 10/720,956 Examiner: Lim Art Unit: 2153
Response to July 31, 2007 Office Action

each service provider providing access to at least one of the multiple communications networks.

[c05] (Currently Amended) A method according to claim 1, wherein discovering the multiple communications networks comprises dynamically discovering, according to a schedule, the multiple communications networks available to a client communications device ~~the step of communicating the request for communications service to the multiple service providers comprises communicating the request to at least one of i) a wireline network service provider and ii) a wireless network service provider.~~

[c06] (Currently Amended) A method according to claim 1, wherein discovering the multiple communications networks comprises dynamically discovering the multiple communications networks when global positioning system coordinates indicate a change of "n" units ~~the step of communicating the request for communications service to the multiple service providers comprises communicating the request to at least one of i) a service provider providing access to a cellular network, ii) a service provider providing access to an I.E.E. 802 wireless network, iii) a service provider providing access to a radio frequency (RF) wireless network, iv) a service provider providing access to an Industrial, Scientific, and Medical (ISM) wireless network, v) a service provider providing access to an infrared (IR) wireless network, and vi) a service provider providing access to a wireless network using another portion of the electromagnetic spectrum.~~

[c07] (Currently Amended) A method according to claim 1, further comprising comparing the bid to other bids received from other service providers ~~wherein the step of negotiating with the at least one service provider comprises receiving a bid from the at least one service provider to fulfill the request for communications service.~~

[c08] (Currently Amended) A method according to claim 1, wherein ~~the step of negotiating with the at least one service provider comprises communicating a preferred scenario of~~

Attorney Docket: 030351
U.S. Application No.: 10/720,956 Examiner: Lim Art Unit: 2153
Response to July 31, 2007 Office Action

segmentation, dispersion, and assemblage of electronic data when fulfilling the request for communications service.

- [c09] (Currently Amended) A method according to claim 1, wherein ~~the step of~~ negotiating with the at least one service provider comprises communicating a competitive indication of the multiple communications networks that are available to the client communications device.
- [c10] (Currently Amended) A method according to claim 1, wherein ~~the step of~~ negotiating with the at least one service provider comprises communicating at least one of i) a price above which communications service will be denied, ii) a date by which the request for communications service should be fulfilled, iii) a time by which the request for communications service should be fulfilled, and iv) formatting for the requested communications service.
- [c11] (Currently Amended) A method according to claim 1, wherein ~~the step of~~ negotiating with the at least one service provider comprises receiving at least one of i) a price for utilizing the at least one multiple communications networks, ii) a date that the request for communications service will be fulfilled, and iii) a time that the request for communications service will be fulfilled.
- [c12] (Currently Amended) A method of providing communications services, comprising the ~~steps of~~:

receiving, at a service provider, a request for communications service, the request for communications service originating from a client ~~communications~~ device, the request for communications service requesting communications service from a communications network available to the client ~~communications~~ device;

ascertaining a preferred scenario of segmentation, dispersion, and assemblage of electronic data to fulfill the request for communications service;

Attorney Docket: 030351
U.S. Application No.: 10/720,956 Examiner: Lim Art Unit: 2153
Response to July 31, 2007 Office Action

developing a bid to ~~utilize the communications network~~ to fulfill the request for communications service, the bid comprising a price for utilizing the service provider's services; and

communicating the bid to the client ~~communications~~ device,

wherein the client ~~communications~~ device ~~may then accepts or denies~~ denies ~~deny~~ the bid.

[c13] (Currently Amended) A method according to claim 12, further comprising ~~wherein the step of receiving the request for communications service comprises~~ receiving an indication of multiple communications networks that are available to the client communications device.

[c14] (Currently Amended) A method according to claim 12, further comprising ~~the step of~~ determining that multiple communications networks are available to the client communications device.

[c15] (Currently Amended) A method according to claim 12, further comprising ~~wherein the step of receiving the request for communications service comprises~~ receiving at least one of i) a price above which any bid will be denied, ii) a date by which the request for communications service should be fulfilled, and iii) a time by which the request for communications service should be fulfilled.

[c16] (Currently Amended) A method according to claim 12, further comprising receiving information describing how many networks are available to the client device ~~wherein the step of communicating the bid to the client communications device comprises communicating at least one of i) a price for utilizing the communications network, ii) a date that the request for communications service will be fulfilled, and iii) a time that the request for communications service will be fulfilled.~~

Attorney Docket: 030351
U.S. Application No.: 10/720,956 Examiner: Lim Art Unit: 2153
Response to July 31, 2007 Office Action

- [c17] (Currently Amended) A method according to claim 12, further comprising receiving a constraint that the service provider must meet in order to win the requested communications service wherein the step of ascertaining the preferred scenario of segmentation, dispersion, and assemblage of electronic data comprises assessing an availability of network routing to fulfill the request for communications service.
- [c18] (Currently Amended) A method according to claim 12, wherein ~~the step of ascertaining the preferred scenario of segmentation, dispersion, and assemblage of electronic data comprises assessing an availability of network bandwidth to fulfill the request for communications service.~~
- [c19] (Currently Amended) A method according to claim 12, further comprising ~~the step of receiving an acceptance of the bid to utilize the communications network to fulfill the request for communications service.~~
- [c20] A computer program product [[,]] comprising computer readable media storing instructions for performing a method, the method comprising:
- discovering, at a client device, multiple communications networks available to the client device;
 - communicating a request for communications service from the client device to a service provider, the service provider providing access to at least one of the multiple communications networks;
 - negotiating, at the client device, with the at least one service provider for access to at least one of the multiple communications networks;
 - receiving, at the client device, a bid from the at least one service provider to fulfill the request for communications service; and
 - receiving communications service from the at least one service provider via at least one of the multiple communications networks

Attorney Docket: 030351
U.S. Application No.: 10/720,956 Examiner: Llm Art Unit: 2153
Response to July 31, 2007 Office Action

~~a computer-readable medium; and~~

~~a Analysis Module stored on the computer-readable medium, the Analysis Module discovering multiple communications networks available to a client communications device, the Analysis Module communicating a request for communications service from the client communications device to at least one service provider, the at least one service provider providing access to at least one of the multiple communications networks, the Analysis Module negotiating with the at least one service provider for access to at least one of the multiple communications networks, and the Analysis Module receiving communications service from the at least one service provider via at least one of the multiple communications networks.~~